

Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DKT. NO. 503.37677X00	SERIAL NO. 09/413,867
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT ISHIKAWA, et al.	
		FILING DATE October 7, 1999	GROUP 2879



U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
SL	AA 5,128,268	6-8-93	Matsuda, et al.			
	AB					
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					
	AK					
	AL					

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation /Abstract	
						Yes	No
SL	AM 3-145043	6-20-91	Japan			X	
	AN						
	AO						
	AP						
	AQ						
	AR						
	AS						
	AT						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AU	
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Examiner	<i>Sharon L. Lurie</i>	Date Considered 2/25/04

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U.S. Patent Documents

Examiner Initials	Document No.	Date	Name	Class Subclass	Filing Date If Approp.
SL	5,315,209	5/94	Iwasaki	_____	
SL	5,585,805	12/96	Takenaka et al	_____	
SL	5,660,876	8/97	Kojima et al	_____	
SL	5,681,885	10/97	Kinoshita et al	_____	
SL	5,789,854	8/98	Takizawa et al	_____	

Foreign Patent Documents

Document No.	Date	Country	Class Subclass	Translation Yes No
SL 0 533 030 A2	3/93	European	_____	
SL 0 859 398 A1	8/98	European	_____	

Other Documents (including Author, Title, Date, Pertinent Pages, etc.)

Examiner

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